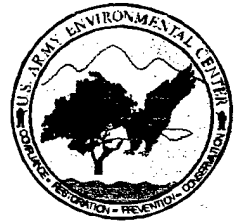


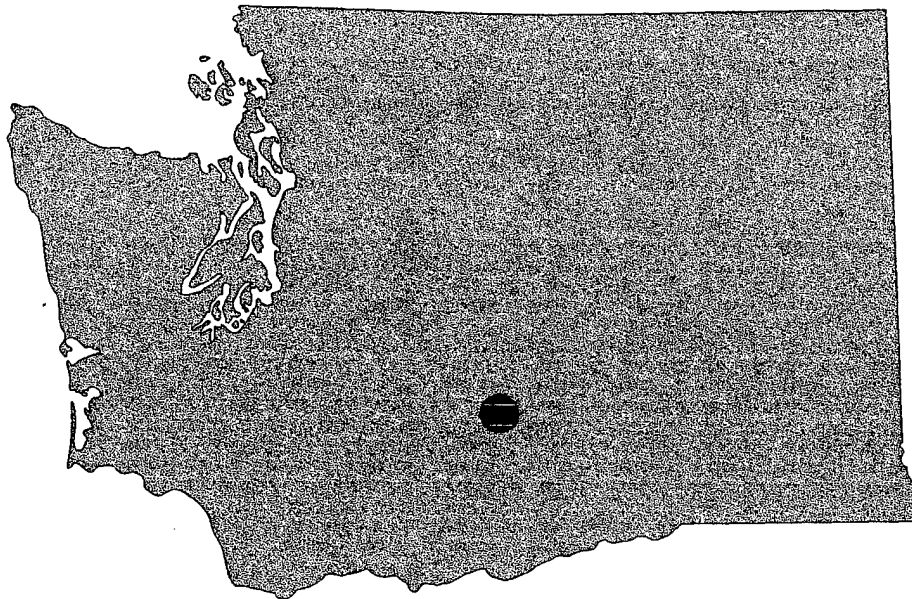


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# **COLLECTIONS SUMMARY FOR YAKIMA TRAINING CENTER, WASHINGTON**

**U.S. Army NAGPRA Compliance Project,  
Technical Report No. 78**



**Prepared for the  
U.S. Army Environmental Center,  
Environmental Compliance Division**

**by the  
U.S. Army Corps of Engineers,  
St. Louis District,  
*Mandatory Center of Expertise for the Curation and Management  
of Archaeological Collections***

19990603 006

# REPORT DOCUMENTATION PAGE

Form Approved  
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE February 1996		3. REPORT TYPE AND DATES COVERED Final February 1996	
4. TITLE AND SUBTITLE An Archaeological Collections Summary for Yakima Training Center, Washington				5. FUNDING NUMBERS	
6. AUTHOR(S) U.S. Army Engineer District, St. Louis, Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX)					
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) U.S. Army Engineer District, St. Louis, Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (CELMS-PD-C) 1222 Spruce Street, St. Louis, MO 63103				8. PERFORMING ORGANIZATION REPORT NUMBER U.S. Army NAGPRA Compliance Project, NAGPRA Technical Report No.78	
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Environmental Center, Environmental Compliance Division (SFIM-AEC-ECN), Aberdeen Proving Ground, MD 21010-5401				10. SPONSORING / MONITORING AGENCY REPORT NUMBER SFIM-AEC-EC-CR-96047	
11. SUPPLEMENTARY NOTES This research was supported in part by an appointment to the Research Participation Program at the St Louis District, U.S. Army Corps of Engineers administered by the Oak Ridge Institute for Science and Education through an interagency agreement between the U.S. Department of Energy and the St. Louis District, U.S. Army Corps of Engineers.					
12a. DISTRIBUTION / AVAILABILITY STATEMENT Approved for public release - distribution unlimited				12b. DISTRIBUTION CODE A	
13. ABSTRACT (Maximum 200 words) The U.S. Army Environmental Center tasked the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX) with the job of assisting the Army in complying with the Native American Graves Protection and Repatriation Act (NAGPRA), P.L. 101-601. The MCX was asked to locate and assess archaeological collections derived from Army lands, to identify the Native American or Native Hawaiian organizations culturally affiliated with the collections, and to draft Section 6 summary letters for each installation. A two-stage process was used to identify, locate and assess the contents of the collections, consisting of archival research and telephone interviews with the repository personnel. This report conveys the results of the collection research completed for the compliance with Section 6 of NAGPRA					
14. SUBJECT TERMS Archaeology; curation; cultural resources management; funerary objects; Native Americans; NAGPRA; Yakima Training Center				15. NUMBER OF PAGES 33	
				16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT UL		

**AN ARCHAEOLOGICAL COLLECTIONS SUMMARY  
FOR  
YAKIMA TRAINING CENTER, WASHINGTON**

**Information Provided for Compliance with the  
Native American Graves Protection and Repatriation Act  
Section 6 Summary**

**Prepared for the  
U.S. Army Environmental Center,  
Environmental Compliance Division  
Aberdeen Proving Ground, Maryland**

**By  
U.S. Army Corps of Engineers,  
St. Louis District,  
Mandatory Center of Expertise for the  
Curation and Management of Archaeological Collections,  
U.S. Army NAGPRA Compliance Project,  
Technical Report No. 78**

**February 1996**

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## OBJECTIVES AND METHODS

The U.S. Army Environmental Center (AEC) tasked the Mandatory Center of Expertise for the Curation and Management of Archaeological Collections (MCX) with the job of assisting Army installation personnel in complying with the requirements of the Native American Graves Protection and Repatriation Act (P.L. 101-601, NAGPRA). The MCX was asked to locate and assess archaeological collections derived from Army-owned lands, to identify the federally recognized Native American tribes most likely culturally affiliated with the collections, to draft Section 6 Summary letters for each installation, and to conduct physical inventories of any collections that contain human skeletal remains. This report conveys the results of the collections research completed to assist Yakima Training Center in complying with the Section 6 Summary requirements of NAGPRA.

The MCX used a two-stage process to identify, locate, and assess the contents of archaeological collections from the installation. First, archival research was performed to review all archaeological site records and reports for the installation. Second, telephone interviews were conducted with personnel at installations, universities, museums, and archaeological contractors that were identified during the archival research as possible repositories of Army collections. The MCX did not physically verify the existence of collections and, as such, the information contained in this report is based on background record reviews and information obtained via telephone interviews with the aforementioned installation personnel and institution professionals.

Archival research for Yakima Training Center began with a search of the National Archeological Data Base (NADB) for references pertaining to the installation. This was followed by a thorough examination of all archaeological site forms and a literature review of all pertinent archaeological reports and manuscripts on file at the Office of Archaeology and Historic Preservation, Olympia, Washington. The records search was performed in November of 1994, and sought to identify any work on the installation that may have produced archaeological collections.

Subsequent telephone interviews to potential collections repositories ascertained whether the materials were present and the range of objects in each collection. Once the collections were located and assessed, MCX personnel identified federally recognized Native American tribes that are likely to be culturally affiliated with the materials in the collections. Draft Section 6 Summary letters are enclosed for each of these tribes (Appendix I), as well as a listing of the current tribal chairpersons (Appendix II).

## RESEARCH RESULTS

### ARCHAEOLOGICAL INVESTIGATIONS AT YAKIMA TRAINING CENTER

Archaeological work on Yakima Training Center was reportedly initiated in the late 1950's by Bruce Stallard of the State College of Washington, however no archaeological materials were collected in association with Stallard's project (Anonymous 1992:3-89). In the last several decades, archaeological work on the installation has increased significantly. Since 1957, twelve additional groups have performed archaeological investigations on Yakima Training Center:

Department of the Army, Fort Lewis, Washington,  
Center for Northwest Anthropology,  
Washington State University, Pullman, Washington,  
Central Washington Archaeological Survey,  
Central Washington University, Ellensburg, Washington,  
Eastern Washington University, Cheney, Washington,  
Geo-Recon International, Seattle, Washington,  
Historical Research Associates, Inc., Seattle, Washington,  
Office of Public Archaeology, University of Washington, Seattle, Washington,  
Ohio State University, Columbus, Ohio,  
URS Consultants, Inc., Sacramento, California,  
U.S. Army Corps of Engineers, Seattle District, Seattle, Washington,  
WAPORA, Inc., Berwyn, Pennsylvania, and  
Washington Archaeological Resource Center,  
Washington State University, Pullman, Washington.

The background research performed by the MCX indicates that only six of these twelve organizations conducted archaeological investigations that produced artifact collections. Overall, investigations on the installation consisted of systematic surveys, test excavations, and excavations to mitigate adverse effects on sites where disturbance was necessary for the installation's mission.

## SUMMARY OF ARCHAEOLOGICAL COLLECTIONS

A total of approximately 83 ft<sup>3</sup> of artifacts and more than 7 linear feet of associated documentation has been identified for Yakima Training Center. Artifacts recovered include prehistoric flaked stone tools, ground stone implements, bone needles, petroglyph casts, animal bone, botanical remains, shell, charcoal, and soil samples, as well as historic Euroamerican metal, glass, ceramics, and military debris. In addition, Native American skeletal remains and possible funerary objects were excavated and collected from Yakima Training Center by University of Washington and U.S. Army personnel in 1978, and by Central Washington Archaeological Survey in 1979.

As of the date of this report, collections from Yakima Training Center are believed to be located in the following five repositories:

Eastern Washington University, Cheney, Washington	~14 artifacts and original field notes
Fort Lewis, Washington	~49 ft <sup>3</sup> and ~ 3.5 linear ft. of documentation
Historical Research Associates, Inc., Seattle, Washington	~24 ft <sup>3</sup> and ~3 linear ft. of documentation
Iron Mountain Records Management Company, Sacramento, California	~ 1 folder of documentation
Ohio State University, Columbus, Ohio	~20,000 artifacts (~ 10 ft <sup>3</sup> )

The attached *Summary of Current Locations of Archaeological Collections from Yakima Training Center* (Appendix III) provides detailed information about each collection derived as a result of archaeological investigations at the installation. A collection consists of all of the materials, artifacts and associated documentation (e.g., field notes, maps, photos, data analyses, correspondence), produced as a result of an archaeological investigation or project at a single site or multiple sites. In some cases, the same archaeological site may have been investigated by various individuals or organizations. Depending on where the resulting collections are curated, they may be stored and identified as separate collections or separate components of a single collection. In cases where the artifacts and records have become separated, we list the records collections repository as well.

Every attempt has been made to locate all collections cited on available archaeological site records or in published and unpublished references to archaeological investigations on the installation.

## **NAGPRA-Related Items**

Human skeletal remains and/or possible funerary objects have been excavated from two sites on Yakima Training Center property:

1) 45-KT-241B: The 1978 excavation by University of Washington and U.S. Army personnel recovered the fragmentary remains of a secondary human burial, and an array of prehistoric artifacts from a 2 meter test pit excavation in this rock shelter site. The human remains collected consisted of an isolated adult left humerus and four isolated teeth (molar, premolar, canine, and incisor). Artifacts recovered from this excavation were lithic flakes, tools, blades, a Cascade Phase projectile point, an edge ground cobble, a micro-blade, and twenty-five cut shell and petrified wood beads. The beads were found at the same level in the test pit as the humerus, however, it is not indicated in Robert Kavanaugh's Memorandum for Record (Kavanaugh 1978) whether these artifacts were considered to be associated with the burial. All collections from this excavation are currently housed at Fort Lewis, Washington.

2) 45-YK-199: In May 1979 an archaeological reconnaissance conducted by the Central Washington Archaeological Survey identified human skeletal remains eroding from the east bank of Coffin Creek on Yakima Training Center. The remains, those of an adult male Native American, were excavated on 9 August 1979, by Glenn D. Hartman and Leonard R. Williams, and were analyzed by James Alexander, Department of Anthropology, Central Washington University (Alexander 1980:C-3). Following the analysis, the skeleton was placed in a final reburial container, and reburied in August of 1982 in the Yakima Nation tribal cemetery. Native American members of both the Yakima Indian Nation and the Wanapam tribe participated in the reburial ceremony (David Rice, U.S. Army Corps of Engineers, Seattle District, telephone conversations, 28 June 1995 and 30 January 1996).

The final determination of any sacred objects or objects of cultural patrimony among the Yakima Training Center collections may be established upon further consultation with culturally affiliated Native American tribes according to the definitions and restrictions specified in NAGPRA.

## **REFERENCES TO ARCHAEOLOGICAL INVESTIGATIONS**

Two sets of references regarding archaeological work conducted on Yakima Training Center are attached: Appendix IV contains the list of references reviewed by the MCX during its archival research; and Appendix V is the list of references contained in the National Archeological Data Base (NADB).



## NATIVE AMERICAN TRIBES ASSOCIATED WITH YAKIMA TRAINING CENTER

Yakima Training Center is located in Washington State within the traditional culture area of the Plateau Indians. Scholars define the Plateau Culture Area as being bounded by the Cascades to the west, the Rockies to the east, the Fraser River to the North, and the Great Basin to the south (Waldman 1988:194). The possible cultural affiliation for the artifacts collected from Yakima Training Center is reviewed in two reports: one documents the results of a project conducted on the training center (Benson *et al.* 1987:15); the other is an environmental assessment of McChord Air Force Base that includes a review of the archaeology of Yakima Training Center (Anonymous 1992:3-96). These reports identify two Columbia Plateau Indian groups as having aboriginal territories that included land within the present boundaries of the Yakima Training Center: the Wanapam, who were the northern-most Sahaptin-speaking group; and the Columbia, who were the southwestern-most of the Plateau Salishan-speaking tribes (Benson *et al.* 1987:15).

The Wanapam territory extended from Priest Rapids to the Saddle Mountains along the western side of the Columbia River (Benson *et al.* 1987:15). The Wanapam prehistorically moved into this area from the Pacific coast as a result of pressures from their more powerful southern neighbors, possibly the ancestral Chinooks (Haines 1970:13; Ruby and Brown 1992:23). At the time of initial European contact circa 1811, the Wanapam resided in a number of winter villages along the Columbia River on the eastern margin of what is today the Yakima Training Center (Anonymous 1992:3-96; Ruby and Brown 1992:260). These Columbia River villages were the traditional winter residences of the Wanapam. During the summer months, much smaller seasonal camps associated with resource procurement loci were maintained in the uplands, in what is today the central portion of the Yakima Training Center (Benson *et al.* 1987:15).

In 1855 the governor of the Washington Territory, Isaac I. Stevens, notified the Plateau Indian groups that they were to convene in Walla Walla for a Grand Council in order to negotiate a land cession treaty. The treaty negotiated provided for the creation of three reservations on the Columbia Plateau: one for the Nez Perce; one for the Walla Walla, Umatilla, and Cayuse; and one for the Yakima. This treaty also created a new political and social entity: the Consolidated Tribes and Bands of the Yakama Indian Nation, which consisted of formerly autonomous tribes, bands, and villages of indigenous peoples, who lived contiguously in the south central region of the present state of Washington (Schuster 1990:65, 1994:706). The Wanapam, located within this area, refused to participate in these treaty negotiations, and were therefore originally excluded from the Yakama Indian Nation. They also resisted the efforts of the United States Government to relocate them onto the Yakama Reservation (Hunn 1994:127). It was not until 1974 that they were designated as part of the Yakama Nation by the Indian Claims Commission (Schuster 1994:704). Although presently associated with the Yakama Nation, the Wanapam still principally reside in a small enclave adjacent to the Priest Rapids Dam near the southeastern portion of the Yakima Training Center (Anonymous 1992:3-96; Ruby and Brown 1992:260).

The Sinkiuse or Columbia, the most southwestern group of the Salishan-speaking bands, resided on the east side of the Columbia River, from Fort Okanogan to Priest Rapids, at the time of European contact in the late 1700's-early 1800's (Johnson 1992:123). The Columbia's oral tradition states that they migrated prehistorically to this area from across the Cascade Mountains in the vicinity of Puget Sound (Haines 1970:14; Ruby and Brown 1992:204). The presence of the Wanapam halted the southern migration of the Columbia Indians at the northern border of the training center, thus establishing the Columbia's southern historic boundary (Haines 1970:14).

In 1882, under the leadership of Chief Moses, the Columbia merged with the Confederated Colville Tribe on the Colville Reservation in northeast Washington (Johnson 1992:123; Ruby and Brown 1992:205). The Colville Reservation was initially established in 1872 by executive order of President Grant. Presently, enrolled members of this reservation are descendants of the following principal Salishan and Sahaptin groups: Colville, Chelan, Entiat, Methow, Okanogan, San Poil, Lake, Nespelem, Nez Perce, Palouse, Moses, Sinkiuse, Wenatchee, and fragments of other groups such as Spokane, Coeur d'Alene, and Kalispel (Walker 1994:132).

Based on the 1978 Indian Land Claims cases, the Yakama have been adjudicated the land that is now occupied by the Yakima Training Center (U.S.G.S. n.d.). The Yakama's title to this land was first extinguished by a treaty of cession that was officially ratified in 1859 (Indian Claims Commission 1978:21). According to the treaty's terms, the people of the Yakama Nation ceded more than one-fourth of the present-day state of Washington to the United States government. Included in the Yakama territory cession was land aboriginally occupied by the already referenced tribal groups, the Columbia-Sinkiuse and the Wanapam. Neither of these two tribes have individual federal recognition status, however descendants of both of these tribes are represented by membership in federally recognized tribes. Descendants of the Columbia-Sinkiuse are presently members of Confederated Colville Tribe (Walker 1994:132), and the Wanapam as of 1974 are designated as one of the tribes in the Consolidated Tribes and Bands of the Yakama Indian Nation (Schuster 1994:703).

## SECTION 6 COMPLIANCE

P.L. 101-601 (NAGPRA) requires that federal agencies engage in active consultation with Native Americans of federally recognized tribes and/or lineal descendants who may be culturally affiliated with the archaeological collections from the installation. Enclosed are draft NAGPRA Section 6 Summary letters (Appendix I) and a list of the tribal chairpersons from the federally recognized tribes that may be culturally affiliated with the collections (Appendix II).

Initial consultation should be conducted on a government-to-government basis. Refer to P.L. 101-601 (NAGPRA) for specifics on required Native American consultation and the legal definitions of items subject to NAGPRA.

---

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U.S.G.S.

n.d. *Indian Lands Judicially Established 1978*. Map prepared by the U.S. Geological Survey for the Indian Claims Commission.

## APPENDIX I

### DRAFT SECTION 6 SUMMARY LETTERS FOR YAKIMA TRAINING CENTER, WASHINGTON

[Installation Header]

Jerry Meninick, Chairman  
Yakama Tribal Council  
P.O. Box 151  
Toppenish, Washington 98948-0151

Dear Mr. Meninick:

I am writing to inform you of collections held by Yakima Training Center that may contain Native American cultural items, as defined by the Native American Graves Protection and Repatriation Act (NAGPRA), that are, or are likely to be, culturally affiliated with the Yakama Indian Nation. Yakima Training Center has documented these archaeological collections in a Summary in accordance with the requirements of Section 6 of NAGPRA.

Yakima Training Center is responsible for collections that include approximately 83 ft<sup>3</sup> of artifacts housed at five known repositories: Fort Lewis, Washington; Historical Research Associates, Seattle, Washington; Iron Mountain Records Management Company, Sacramento, California; Ohio State University, Columbus, Ohio; and Eastern Washington University, Cheney, Washington. These archaeological collections were generated from surveys, testing, and excavations conducted from 1978 to the present. The collections consist of prehistoric stone tools, bone needles, petroglyph casts, animal bone, botanical remains, shell, charcoal, and soil samples, as well as historic Euroamerican metal, glass, ceramics, and military debris. Also part of the collections is associated documentation such as field notes, reports, and correspondence.

We are notifying the Confederated Tribes and Bands of the Yakama Indian Nation because in 1974 the Wanapam, who are believed to have aboriginally occupied the geographical area that now includes Yakima Training Center, were designated as part of the Yakama Nation by the Indian Claims Commission. The Yakama Indians were adjudicated a land area that now includes Yakima Training Center.

In accordance with Section 6 of NAGPRA, we are inviting you to consult with us regarding these archaeological collections. Upon your written request, we will provide you access to review our records, catalogues, relevant studies, or other pertinent data for the purpose of determining the geographic origin, cultural affiliation, and basic facts surrounding acquisition and accession of these collections.

In the process of completing the Section 6 Summary, potential Native American human remains and associated funerary objects were identified from site 45-KT-241B on Yakima Training Center. The human remains and possible funerary objects collected from this site are reportedly located at Fort Lewis, Washington.

Therefore, by means of this letter we are also initiating consultation regarding the NAGPRA Section 5 Inventory. Yakima Training Center is scheduled to conduct Section 5 Inventory investigations of human remains and associated funerary objects in 1996. If the Yakama Indian Nation wishes to comment on, or participate in, the Section 5 Inventory, please respond as soon as possible. We are also notifying the federally recognized Confederated Colville Tribe.

Please feel free to contact [Installation POC name] regarding any of these issues, at [telephone, address].

To facilitate discussions between Yakima Training Center and the Confederated Tribes and Bands of the Yakama Indian Nation of the Yakama Reservation on these matters, please forward the name and method of contacting your tribal representative, traditional religious leader, or preferred NAGPRA point of contact. We look forward to working with you.

Sincerely,

[Commander's signature]

CF:	FORSCOM	Commander, U.S. Army Forces Command ATTN: FCEN-RDF (Dr. James Cobb) Fort McPherson, GA 30330-5000
	USAEC	Commander, US Army Environmental Center ATTN: SFIM-AEC-EC (Guldenzopf) Aberdeen Proving Ground, MD 21010-5401
	MCX	Commander, US Army Corps of Engineers ATTN: CELMS-PD-C (Trimble) 1222 Spruce Street St. Louis, MO 63103-2833

[Installation Header]

Eddie Palmanteer, Jr., Chairman  
Colville Business Council  
P.O. Box 150  
Nespelem, Washington 99155-0150

Dear Mr. Palmanteer:

I am writing to inform you of collections held by Yakima Training Center that may contain Native American cultural items, as defined by the Native American Graves Protection and Repatriation Act (NAGPRA), that are, or are likely to be, culturally affiliated with the Confederated Colville Tribe. Yakima Training Center has documented these archaeological collections in a Summary in accordance with the requirements of Section 6 of NAGPRA.

Yakima Training Center is responsible for collections that include approximately 83 ft<sup>3</sup> of artifacts housed at five known repositories: Fort Lewis, Washington; Historical Research Associates, Seattle, Washington; Iron Mountain Records Management Company, Sacramento, California; Ohio State University, Columbus, Ohio; and Eastern Washington University, Cheney, Washington. These archaeological collections were generated from surveys, testing, and excavations conducted from 1978 to the present. The collections consist of prehistoric stone tools, bone needles, petroglyph casts, animal bone, botanical remains, shell, charcoal, and soil samples, as well as historic Euroamerican metal, glass, ceramics, and military debris. Also part of the collections is associated documentation such as field notes, reports, and correspondence.

We are notifying the Confederated Colville Tribe because historical documents state that some members of the Columbia tribe may have merged with the Confederated Colville Tribe in the late 1800's. The Columbia are believed to have aboriginally occupied the geographical area that now includes Yakima Training Center.

In accordance with Section 6 of NAGPRA, we are inviting you to consult with us regarding these archaeological collections. Upon your written request, we will provide you access to review our records, catalogues, relevant studies, or other pertinent data for the purpose of determining the geographic origin, cultural affiliation, and basic facts surrounding acquisition and accession of these collections.

In the process of completing the Section 6 Summary, potential Native American human remains and associated funerary objects were identified from site 45-KT-241B on Yakima Training Center. The human remains and possible funerary objects collected from this site are reportedly located at Fort Lewis, Washington.

Therefore, by means of this letter we are also initiating consultation regarding the NAGPRA Section 5 Inventory. Yakima Training Center is scheduled to conduct Section 5 Inventory investigations of human remains and associated funerary objects in 1996. If the



Confederated Colville Tribe wishes to comment on, or participate in, the Section 5 Inventory, please respond as soon as possible. We are also notifying the federally recognized Yakama Indian Nation.

Please feel free to contact [Installation POC name] regarding any of these issues, at [telephone, address].

To facilitate discussions between Yakima Training Center and the Confederated Colville Tribe on these matters, please forward the name and method of contacting your tribal representative, traditional religious leader, or preferred NAGPRA point of contact. We look forward to working with you.

Sincerely,

[Commander's signature]

CF:	FORSCOM	Commander, U.S. Army Forces Command ATTN: FCEN-RDF (Dr. James Cobb) Fort McPherson, GA 30330-5000
	USAEC	Commander, US Army Environmental Center ATTN: SFIM-AEC-EC (Guldenzopf) Aberdeen Proving Ground, MD 21010-5401
	MCX	Commander, US Army Corps of Engineers ATTN: CELMS-PD-C (Trimble) 1222 Spruce Street St. Louis, MO 63103-2833

## **APPENDIX II**

### **NATIVE AMERICAN POINTS OF CONTACT FOR YAKIMA TRAINING CENTER, WASHINGTON**

#### **FEDERALLY RECOGNIZED TRIBES**

##### **Confederated Tribes and Bands of the Yakama Indian Nation of the Yakama Reservation, Washington**

Jerry Meninick, Chairman

Yakama Tribal Council

P.O. Box 151

Toppenish, Washington 98948-0151

(509) 865-5121

(509) 865-5528 FAX

##### **Confederated Tribes of the Colville Reservation, Washington**

Eddie Palmanteer, Jr., Chairman

Colville Business Council

P.O. Box 150

Nespelem, Washington 99155-0150

(509) 634-4711

(509) 634-4116 FAX

## APPENDIX III

### SUMMARY OF CURRENT LOCATIONS OF ARCHAEOLOGICAL COLLECTIONS FROM YAKIMA TRAINING CENTER, WASHINGTON

All collections information has been entered into a Paradox data base file and can be queried by any of the fields listed below, as well as by the name of the installation and by MACOM. The data base will be delivered by the MCX to the U.S. Army Environmental Center upon completion of the U.S. Army NAGPRA Compliance Project. Inquiries for additional information are welcome (MCX: 314-331-8865; U.S. Army Environmental Center NAGPRA Compliance Project: 410-671-1573). The data fields listed in the summary of collections contain the following information:

REPOSITORY:	The current location in which the collection is stored, as of the date of this report.
REPOSITORY POC:	The person contacted by the MCX, or the person to whom inquiries regarding the collection should be addressed.
TELEPHONE:	The telephone number for the repository POC.
COLLECTION ID:	The identifying unit used by the repository to store and/or locate the collection. This can be a unique accession number assigned by the repository, the archaeological site number or project name, the name of the collector of the collection, or another number or name assigned by the repository.
SITE NUMBERS:	The official site number or name only for those sites from which materials were collected. An investigator may have performed work at additional sites but did not collect any materials. Those site numbers are not included in this field.
FIELDWORK DATES:	The date(s) during which the investigation(s) occurred. This information is provided to differentiate between projects that may have investigated the same site repeatedly.
EXCAVATOR/COLLECTOR:	The individual and/or organization that conducted the investigation.

**COLLECTION SIZE:** The volume or number of objects in a collection, estimated by the repository POC or from project reports.

**DESCRIPTION OF MATERIALS:** General material classes of the objects in the collection derived from data provided on site records, in references, and/or by the Repository POC.

**ANTIQUITY/ARCH. PERIOD:** Chronological or cultural-historical designations recorded on site records or in references specific to the collection.

**CULTURAL AFFILIATION:** This column contains only those ethnic identifications found in the site records or references specific to the collection. This field is left blank if no such information was recorded.

**BASIS OF DETERMINATION:** Documents the source of the cultural affiliation information (e.g., site record, oral testimony, reference).

**SECTION 5 MATERIALS:** Describes the number and kind of human skeletal remains and associated funerary objects in the collection, as indicated by the site records, references, repository management documents, or information from repository POC. If these materials are present or are suspected to be present, NAGPRA Section 5 requires a physical inventory of the materials.

## Summary of Current Location of Archaeological Collectio

As of February 199

Repository	Repository POC	Telephone	Collection ID	Site Numbers	Fieldwork Dates	Excavator
Eastern Washington University, Cheney, WA	Keo Boreson	(509) 359-2239		45KT991, 995, 998	1994	Archaeologic Historical Eastern W University WA
Fort Lewis, Tacoma, WA	Paul McGuff	(206) 967-5337	Multi-Purpose Range Complex (MPRC)	45KT285, 291, 239, 250, 252, 276, 277, 285, 556, 566, 334	1985 - 1986	Central W University WA
Fort Lewis, Tacoma, WA	Paul McGuff	(206) 967-5337	Wa-pai-xie Site	45KT241A, 45KT241B	1978	Office of F Archaeologic University Washington WA and U
Fort Lewis, Tacoma, WA	Paul McGuff	(206) 967-5337	Yakima Firing Center Expansion Area Survey	C-18, E-10, J-22, S-02	1986	URS Cons Sacramen
Fort Lewis, Tacoma, WA	Paul McGuff	(206) 967-5337	Yakima Firing Center Phase I	45KT239-240, 242-253, 255-260, 262-269	1978	Central W Archaeologic Survey, C Washington University, WA, and U
Fort Lewis, Tacoma, WA	Paul McGuff	(206) 967-5337	Yakima Firing Center Phase II	45KT334, 207, 208, 268, 317-331, 334-345, 347, 45YK172-212, 305	1979	Central W Archeologic Central W University, WA
Historical Research Associates, Seattle, WA	Scott King	(206) 343-0226	Yakima Firing Center	45KT949, 45YA176, 45YA211, 45YA212, 45YA305, 45YA314	1992	Historical Associates WA
Iron Mountain Records Management Company, Sacramento, CA	Pat Emerson	(916) 929-2346	Yakima Firing Center Expansion Area Survey	C-18, E-10, J-22, S-02	1986	URS Cons Sacramen
Ohio State University, Columbus, OH	William Dancey	(614) 292-9770	Yakima Firing Center	45KT383 through 45KT399	~ 1981	Ohio State Columbus

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of Current Location of Archaeological Collections From: Yakima Training Center, Washington [FORSCOM]

As of February 1996

Numbers	Fieldwork Dates	Excavator/Collector	Collection Size	Description of Materials	Antiquity/Archaeological Period	Cultural Affiliation	D
	1994	Archaeological and Historical Services, Eastern Washington University, Cheney, WA	14 Artifacts, Field Notes	Prehistoric Projectile Points, Bifaces; Historic Metal, Glass; Associated Documentation	Prehistoric; Historic	Not Listed	
250, 252, 276, 334	1985 - 1986	Central Washington University, Ellensburg, WA	~ 25 cu. ft. Artifacts; Some Portion of 3.5 linear ft.	Prehistoric Lithics (Flakes), Faunal, Shell, Botanical, Soil Samples, Charcoal; Historic Glass, Metal; Associated Documentation	Prehistoric; Historic	Not Listed	
1B	1978	Office of Public Archaeology, University of Washington, Seattle, WA and U.S. Army	1 cu. ft. Artifacts; Some Portion of 3.5 linear ft.	Prehistoric Soil Samples, Faunal, Flakes, Lithics, Tools, Projectile Points, Shell, Petrified Wood, Beads; Historic Material, Human Skeletal Remains; Associated Documentation	Prehistoric Cascade Phase; Historic	Not Listed	
02	1986	URS Consultants, Sacramento, CA	~ 18 Items; Some Portion of 3.5 linear ft.	Projectile Points (Diagnostics); Associated Documentation	Prehistoric	Not Listed	
253, 255-260, 262-	1978	Central Washington Archaeological Survey, Central Washington University, Ellensburg, WA, and U.S. Army	~ 12 cu. ft. Artifacts; Some Portion of 3.5 linear ft.	Prehistoric Lithics, (Milling Stones, Bifaces, Cores, Flakes), Botanical, Soil, Shell, Fauna; Historic Glass, Metal; Associated Documentation	Prehistoric; Historic	Not Listed	
268, 317-331, 172-212, 305	1979	Central Washington Archeology Survey, Central Washington University, Ellensburg, WA	~ 11 cu. ft; Some Portion of 3.5 linear ft.	Prehistoric Petroglyph Casts, Faunal, Lithics; Historic Glass, Ceramics, Metal; Associated Documentation	Prehistoric; Historic	Not Listed	
45YA211, 45YA314	1992	Historical Research Associates, Seattle, WA	24 cu. ft. Artifacts; 3 linear ft. of Documents	Prehistoric Lithics, Debitage, Lithic Tools, Faunal & Botanical Soil Samples, and Associated Documentation	Prehistoric	Not Listed	
02	1986	URS Consultants, Sacramento, CA	1 Folder	Associated Documents	Prehistoric	Not Listed	
KT399	~ 1981	Ohio State University, Columbus, OH	~ 20,000 Artifacts	Lithic Debitage, Lithic Tools	Prehistoric	Not Listed	

on of Materials	Antiquity/Archaeological Period	Cultural Affiliation	Basis of Determination	Section 5 Materials
tile Points, Bifaces; ass; Associated	Prehistoric; Historic	Not Listed		None
s (Flakes), Faunal, Soil Samples, Glass, Metal; mentation	Prehistoric; Historic	Not Listed		None
amples, Faunal, ools, Projectile Points, ood, Beads; Historic Skeletal Remains; mentation (Diagnostics); mentation	Prehistoric Cascade Phase; Historic	Not Listed		Human Skeletal Remains (Humerus) Possible Funerary Objects
s, (Milling Stones, akes), Botanical, Soil, toric Glass, Metal; mentation	Prehistoric; Historic	Not Listed		None
glyph Casts, Faunal, lass, Ceramics, Documentation	Prehistoric; Historic	Not Listed		None
s, Debitage, Lithic Botanical Soil sociated	Prehistoric	Not Listed		None
ments	Prehistoric	Not Listed		None
lithic Tools	Prehistoric	Not Listed		None

## APPENDIX IV

### MCX LIST OF REFERENCES

In addition to the references reviewed by MCX personnel at the archaeological site information center, every attempt was made to obtain references cited but not on file. Information taken from these references was coded for data relating to collections made from sites located on installation property (see attached sample of PD-C Bibliographic Data Sheet form) and entered into a data base for ease of manipulation.

Report titles were drawn directly from the title page of reports, and consist of the following fields:

FIELD	DATA ENTERED
Subject Property	Army Installation name
Last Name	Primary author's last name
First Name	Primary author's first name
Middle Initial	Primary author's middle initial
Secondary Authors	Names of secondary authors, <i>or</i> in instances where the author is a company rather than an individual, the company name is listed here.
Title	Title of the reference. For letter reports, the person or agency to whom the correspondence is addressed is listed as the title.
Series	If the report is part of a publication series, the name and number are provided here.
Date	Date of publication or submission
Length	Report length in pages
Contract Number	Contract number and delivery order number, if applicable



The data for the next three fields are drawn directly from the report title page and reflect the hierarchy of contracting agencies involved in accomplishing the work. In some cases, the sponsoring agency is listed as the Army installation; in others, the intermediary contracting agent, (e.g., the Army Corps of Engineers or the National Park Service) is listed as the Sponsoring Agency.

Sponsoring Agency	Agency for which the report was prepared
Contractor	The agent contracted to perform the work
Subcontractor	The agent subcontracted to perform the work

The majority of the citations for archaeological investigations on Army land refer to unpublished reports prepared under contract with federal agencies, consequently the MCX printout was designed to address these reports. In instances where the author is a company rather than an individual, the company name is listed in the Secondary Authors field (due to the length of the field). For published references, the publisher is listed in the Sponsoring Agency field.

Page \_\_\_\_ of \_\_\_\_

Fieldwork  
Page \_\_\_\_ of \_\_\_\_

NADB No.

PD-C Collection No.

## PD-C Bibliography Data Sheet

*Date:* \_\_\_\_\_

*Information obtained by:* \_\_\_\_\_

*PD-C Project:*

*Subject Property:*

*Repository (name and location):*

*Record Collection Name/Number:*

*Report Date and Length (in pages):*

*Author(s):*

*Title:*

*Contractor/Address or Publisher/Address (city, state):*

*Subcontractor/Address (city, state):*

*Report Series and Number:*

*Contract/Purchase Order Number(s):*

*Sponsoring Agency/Address:*

*Project Name and Location:*

*Principal Investigator(s)/Director(s):*

*Fieldwork Dates:*

*Type of Investigation (e.g., survey, testing, mitigation):*

PD-C Bibliography Data Sheet (continued)

**Site Numbers:**

**Archaeological Period (e.g., Hohokam, Mississippian):**

**Material Classes (range):**

**Artifact Collections and Locations:**

**Approximate Size of Collections (e.g., number of objects):**

**Record Collections and Locations:**

**NAGPRA Materials (Check if present)**

**Human Skeletal Remains** \_\_\_\_\_

**Objects**

**Associated Funerary** \_\_\_\_\_

**Unassociated Funerary** \_\_\_\_\_

**Sacred** \_\_\_\_\_

**Cultural Patrimony** \_\_\_\_\_

Human Skeletal Remains Data Sheet ☐  
Number of Attached Sheets \_\_\_\_\_

Object Data Sheet ☐  
Number of Attached Sheets \_\_\_\_\_

**Cultural Affiliation(s):**

**Basis for Affiliation Determination (e.g., geographic location, burial practices):**

**Comments:**

MCX List of References for Yakima Training Center, Washington [FORSCOM] as of February 1996

Subject property : Yakima Firing Center, WA

Last name :

First name :

Middle Initial :

Secondary Authors :

Title : Department of the Army, Headquarters, 9th Infantry Division and Fort Lewis. Final Environmental Impact Statement, Fort Lewis Military Installation. Fort Lewis & Yakima Firing Center, Washington.

Series :

Date : June 1979

Length :

Contract Number :

Sponsoring Agency : Fort Lewis

Contractor : US Army

Subcontractor : URS Corporation

Subject property : Yakima Firing Center, WA

Last name : Benson

First name : James

Middle Initial :

Secondary Authors : Jerry Jermann, Dennis Lewarch

Title : Cultural Resources Inventory of the Proposed Yakima Firing Center Expansion Area, East-Central Washington (DRAFT).

Series :

Date : May 1, 1987

Length : 61

Contract Number : DACA67-86-D-0051, Work Order No. 2

Sponsoring Agency : US Army Corps of Engineers-Seattle District

Contractor : URS Corporation

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Benson

First name : James

Middle Initial : R.

Secondary Authors : Brandy Riche

Title : Prehistoric Upland Land-Use in the Vantage Region: Preliminary Modeling Efforts. Paper presented at the 46th Annual Northwest Anthropological Conference.

Series :

Date : March 29, 1993

Length : 8

Contract Number :

Sponsoring Agency :

Contractor : Fort Lewis

Subcontractor : Coe Truman Technologies

MCX List of References for Yakima Training Center, Washington [FORSCOM] as of February 1996

Subject property : Yakima Firing Center, WA

Last name : Boreson

First name : Keo

Middle Initial :

Secondary Authors : Fred Crisson, Craig Holstine, Brooke Plastino, Maryann Rader, Dennis Regan

Title : Draft: Cultural Resources Inventory, Expansion Area Maneuver Corridors, Yakima Training Center, Kittitas County Washington. Volume I - Technical Report.

Series : Eastern Washington University Reports in Archaeology & History 100-86

Date : January 1994

Length :

Contract Number : DACA67-93-D-1003, Delivery Order 0003

Sponsoring Agency : US Army Corps of Engineers-Seattle District

Contractor : Eastern Washington University

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Boreson

First name : Keo

Middle Initial :

Secondary Authors : Fred Crisson, Craig Holstine, Brooke Plastino, Maryann Rader, Dennis Regan

Title : Draft: Cultural Resources Inventory, Maneuver Corridors, Yakima Training Center, Kittitas & Yakima Counties, Washington. Volume I-Technical Report.

Series : Eastern Washington University Reports in Archaeology & History 100-85

Date : January 1994

Length :

Contract Number : DACA67-93-D-1003, Delivery Order 0001

Sponsoring Agency : US Army Corps of Engineers-Seattle District

Contractor : Eastern Washington University

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Chatters

First name : James

Middle Initial : C.

Secondary Authors : James R. Benson

Title : Technical Report: Test Excavation and Evaluation of Ten Prehistoric Archaeological Sites in the Multipurpose Range Complex, Yakima Firing Center, Washington.

Series : Archaeological Report 86-2, Central Washington Archaeological Survey, Central Washington University

Date : 1986

Length : 160

Contract Number : Contract No. DACA-67-85-D-0034, Work Order No. 4

Sponsoring Agency : US Army Corps of Engineers-Seattle District

Contractor : Central Washington Archaeological Survey & Resource Planning Associates

Subcontractor :

MCX List of References for Yakima Training Center, Washington [FORSCOM] as of February 1996

Subject property : Yakima Firing Center, WA

Last name : Chatters

First name : James

Middle Initial : C.

Secondary Authors : Matthew K. Zweifel

Title : Technical Report: Archaeology of Eight Sites in the Multipurpose Range Complex, Yakima Firing Center, Washington.

Series : Archaeological Report 87-2, Central Washington Archaeological Survey, Central Washington University

Date : December 1987

Length : 246

Contract Number : Contract No. DACA 67-86-0060

Sponsoring Agency : US Army Corps of Engineers-Seattle District

Contractor : Resource Planning Associates

Subcontractor : Central Washington Archaeological Survey, Central Washington Univ.

Subject property : Yakima Firing Center, WA

Last name : DePew

First name : Alan

Middle Initial : D.

Secondary Authors :

Title : A Cultural Resource Survey of the Proposed Small Weapons Range, Yakima Training Center, Washington.

Series : Contributions in Cultural Resource Management No. 47

Date : January 1994

Length :

Contract Number :

Sponsoring Agency : Burlington Environmental Inc., Seattle

Contractor : Center for Northwest Anthropology, Washington State University.

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Hanna

First name : Randall

Middle Initial : W.

Secondary Authors :

Title : Letter Report to: David M. Hansen, Deputy State Historic Preservation Officer, Office of Archaeology & Historic Preservation, Washington, Regarding the McDonald Springs Site.

Series :

Date : June 27, 1994

Length : 1

Contract Number :

Sponsoring Agency :

Contractor : Fort Lewis

Subcontractor :

MCX List of References for Yakima Training Center, Washington [FORSCOM] as of February 1996

Subject property : Yakima Firing Center, WA

Last name : Hanna

First name : Randall

Middle Initial : W.

Secondary Authors :

Title : Letter Report to: David M. Hansen, Deputy State Historic Preservation Officer, Office of Archaeology and Historic Preservation, Washington, Regarding Two Small Areas within Installation Boundaries, Planned for the Rehabilitation of Vegetation.

Series :

Date : June 27, 1994

Length : 1

Contract Number :

Sponsoring Agency :

Contractor : Department of the Army

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Hanna

First name : Randall

Middle Initial : W.

Secondary Authors :

Title : Letter Report to: David M. Hansen, Deputy State Historic Preservation Officer, Office of Archaeology and Historic Preservation, Washington, Regarding a Space to Test a Prototype Pulse-Denotation-Based Propulsion System

Series :

Date : June 27, 1994

Length : 1

Contract Number :

Sponsoring Agency :

Contractor : Fort Lewis

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Hartmann

First name : Glen

Middle Initial : D.

Secondary Authors :

Title : Summary Report of Findings: Archaeological Survey and Testing on the Yakima Firing Center, Washington, Phase II

Series :

Date : June 8, 1979

Length :

Contract Number : Contract No. DAKF57-79-00

Sponsoring Agency :

Contractor : US Army Corps of Engineers-Seattle District

Subcontractor : Central Washington Archaeological Survey, Central Washington University

MCX List of References for Yakima Training Center, Washington [FORSCOM] as of February 1996

Subject property : Yakima Firing Center, WA

Last name : Hartmann

First name : Glenn

Middle Initial : D.

Secondary Authors :

Title : Archaeological Survey and Testing of the Yakima Firing Center, Yakima & Kittitas Counties - Phase I (PRELIMINARY DRAFT).

Series :

Date : December 1978

Length : 24

Contract Number : Contract No. DAKF57-78-R-0154

Sponsoring Agency :

Contractor : Central Washington Archaeological Survey, Central Washington University

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Hartmann

First name : Glenn

Middle Initial : D.

Secondary Authors : Garry Owen Stephenson

Title : Cultural Resources Reconnaissance and Testing on the Yakima Firing Center, Yakima & Kittitas Counties, Washington Phase II, FINAL REPORT.

Series :

Date : 1980

Length : 180

Contract Number : Contract No. DACA67-79-C-0004

Sponsoring Agency : US Army Corps of Engineers-Seattle District

Contractor : Central Washington Archaeological Survey, Central Washington University

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Kavanaugh

First name : Robert

Middle Initial : E.

Secondary Authors :

Title : A Cultural Resource Overview of Yakima Firing Center, Washington.

Series :

Date : January 1977

Length : 51

Contract Number :

Sponsoring Agency :

Contractor : Fort Lewis Directorate of Plans & Training

Subcontractor :



MCX List of References for Yakima Training Center, Washington [FORSCOM] as of February 1996

Subject property : Yakima Firing Center, WA

Last name : Kavanaugh

First name : Robert

Middle Initial : E.

Secondary Authors :

Title : Archaeological - Botanical Field Reconnaissance of the Sourdough Canyon, Yakima Firing Center, Washington.

Series :

Date : June 1978

Length : 39

Contract Number :

Sponsoring Agency : Fort Lewis

Contractor : Fort Lewis Directorate of Plans & Training

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Kavanaugh

First name : Robert

Middle Initial : E.

Secondary Authors :

Title : Archaeological Field Reconnaissance of Hinterland Regions of Yakima Firing Center (Alkali, Cottonwood, and Hanson Creek Watersheds) Yakima Firing Center, Washington.

Series :

Date : June 1978

Length : 48

Contract Number :

Sponsoring Agency : Fort Lewis

Contractor : Fort Lewis Directorate of Plans & Training

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Kavanaugh

First name : Robert

Middle Initial : E.

Secondary Authors :

Title : Archaeological Field Reconnaissance of the Cold Creek Valley, Yakima Firing Center.

Series :

Date : June 1978

Length : 25

Contract Number :

Sponsoring Agency : Fort Lewis

Contractor : Fort Lewis Directorate of Plans & Training

Subcontractor :

MCX List of References for Yakima Training Center, Washington [FORSCOM] as of February 1996

Subject property : Yakima Firing Center, WA

Last name : Kavanaugh

First name : Robert

Middle Initial : E.

Secondary Authors :

Title : Archaeological Field Reconnaissance of the Yakima Firing Center 1979 Road Rehabilitation Project, Yakima Firing Center.

Series :

Date : Summer-Fall 1978

Length : 33

Contract Number :

Sponsoring Agency : Fort Lewis

Contractor : Fort Lewis Directorate of Plans & Training

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Kavanaugh

First name : Robert

Middle Initial : E.

Secondary Authors :

Title : Archaeological Field Reconnaissance of the Yakima Firing Center Telephone Cable Project Area, Yakima Firing Center.

Series :

Date : August 1978

Length : 36

Contract Number :

Sponsoring Agency : Fort Lewis

Contractor : Fort Lewis Directorate of Plans & Training

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Kavanaugh

First name : Robert

Middle Initial : E.

Secondary Authors :

Title : Archaeological Field Reconnaissance, Tank Gunnery Range, Yakima Firing Center.

Series :

Date : August 7, 1978

Length : 14

Contract Number :

Sponsoring Agency : Fort Lewis

Contractor : Fort Lewis Directorate of Plans & Training

Subcontractor :

MCX List of References for Yakima Training Center, Washington [FORSCOM] as of February 1996

Subject property : Yakima Firing Center, WA

Last name : Kavanaugh

First name : Robert

Middle Initial : E.

Secondary Authors :

Title : Memorandum For Record: Archaeological Test Excavation of the Wapaixie Cave 45-KT-241 A&B

Series :

Date : August 9, 1978

Length : 2

Contract Number :

Sponsoring Agency :

Contractor : Fort Lewis Directorate of Plans & Training

Subcontractor : University of Washington

Subject property : Yakima Firing Center, WA

Last name : King

First name : J.

Middle Initial : Scott

Secondary Authors : Janene Caywood

Title : Results of Yakima Training Center Predictive Model Study, Volume I & II, Final Report.

Series :

Date : April 15, 1994

Length :

Contract Number : DACA 67-91-D-1009

Sponsoring Agency : US Army Corps of Engineers-Seattle District

Contractor : Historical Research Associates, Inc.

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : King

First name : J.

Middle Initial : Scott

Secondary Authors : Janene Caywood

Title : Yakima Training Center Predictive Model: Results of Sample Inventory. Draft Final Report.

Series :

Date : January 29, 1993

Length :

Contract Number : DACA 67-91-D-1009

Sponsoring Agency : US Army Corps of Engineers-Seattle District

Contractor : Historical Research Associates, Inc.

Subcontractor :

MCX List of References for Yakima Training Center, Washington [FORSCOM] as of February 1996

Subject property : Yakima Firing Center, WA

Last name : Rice

First name : Harvey

Middle Initial : S.

Secondary Authors :

Title : A Survey for Cultural Resources at Quarry Site QS-E-265, SR82, Selah Creek to East Selah Road Interchange, Yakima County, Washington (TAD 286).

Series :

Date : May 7, 1984

Length : 2

Contract Number :

Sponsoring Agency :

Contractor :

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Sender

First name : Malcolm

Middle Initial : K.

Secondary Authors :

Title : Report of a Comprehensive Archaeological Reconnaissance of Portions of the Yakima Firing Center, Washington, Phase III, 1980.

Series :

Date : March 12, 1980

Length : 132

Contract Number : Contract No. DAKF 57-80-C-0156

Sponsoring Agency :

Contractor : WAPORA, Inc. Environmental/Energy/Economic Studies JMA Division

Subcontractor :

Subject property : Yakima Firing Center, WA

Last name : Smith

First name : William

Middle Initial : C.

Secondary Authors : James C. Chatters

Title : Archaeological Predictive Modeling: The Yakima Firing Center, An Inductive Approach, Part I. (Preliminary Report, First Draft).

Series :

Date : March 1986

Length : 100

Contract Number :

Sponsoring Agency :

Contractor : Central Washington Archaeological Survey, Geographic Information Systems Lab., Central Washington University

Subcontractor :

MCX List of References for Yakima Training Center, Washington [FORSCOM] as of February 1996

Subject property : Yakima Firing Center, WA

Last name : Wilde

First name : James

Middle Initial : D.

Secondary Authors : Steve Wilke

Title : Archaeological Reconnaissance of the Multiple Purpose Range Complex (MPRC) Yakima Firing Center.

Series :

Date : August 31, 1984

Length : 53

Contract Number : Contract No. DACA67-84-D-0038

Sponsoring Agency : US Army Corps of Engineers-Seattle District

Contractor : GEO-RECON International, Ltd.

Subcontractor :

# **APPENDIX V**

## **NATIONAL ARCHEOLOGICAL DATA BASE REFERENCES FOR YAKIMA TRAINING CENTER, WASHINGTON**

No attempt has been made to edit the National Archeological Data Base format or to correct obvious errors.

Benson, James R., J. V. Jermann, and D. E. Lewarch

1987 \_Cultural Resources Inventory of the Proposed Yakima Firing Center Expansion Area, East-Central Washington\_. Urs Corporation, Sacramento, CA. Submitted to Coe, Seattle District, Seattle, WA.

Chatters, James C. and James R. Benson

1986 \_Test Excavation and Evaluation of Ten Prehistoric Archaeological Sites in the Multipurpose Range Complex, Yakima Firing Center, Washington\_. Central Washington Archaeological Survey, Central Wa. U.. Submitted to Coe, Seattle District, Seattle, WA.

Hartman, Glenn D.

1978 \_Archaeological Survey and Testing On the Yakima Firing Center, Yakima and Cadets Counties, Washington\_. Washington Archaeological Research Center. Submitted to U.S. Army, Yakima Firing Center, Yakima, Wa..

Hartman, Glenn D.

1980 \_Cultural Resources Reconnaissance and Testing On the Yakima Firing Center, Yakima and Cadets Counties, Washington, Phase Ii Final Report\_. Central Washington Archaeological Survey, Central Wa. U.. Submitted to Coe, Seattle District, Seattle, WA.

Hartman, Glenn D.

1980 \_Cultural Resources Reconnaissance and Testing On the Yakima Firing Center, Yakima and Cadets Counties, Washington Phase Ii Final Report, Appendix\_. Central Washington Archaeological Survey, Central Wa. U.. Submitted to Coe, Seattle District, Seattle, WA.

Kavanaugh, Robert E.

1977 \_A Cultural Resource Overview of Yakima Firing Center Washington\_. Directorate of Plans and Training, Ft. Lewis. Submitted to Unknown.

Kavanaugh, Robert E.

1978 \_Archaeological-Botan Field Reconnaissance of the Sourdough Canyon\_. U.S. Army, Yakima Firing Center. Submitted to Unknown.

Kavanaugh, Robert E.

1978 \_Archaeological Field Reconnaissance of the Yakima Firing Center Telephone Cable Project Area\_. U.S. Army, Yakima Firing Center. Submitted to Unknown.

Kavanaugh, Robert E.

1978 \_Archaeological Field Reconnaissance Tank Gunnery Range Yakima Firing Center, Wa.\_. U.S. Army, Yakima Firing Center. Submitted to Unknown.

Kavanaugh, Robert E.

1978 \_Archaeological Field Reconnaissance of Hinterland Regions of Yakima Firing Center: (Alkali, Cottonwood, and Hanson Creek Watersheds)\_. U.S. Army, Yakima Firing Center. Submitted to Unknown.

Kavanaugh, Robert E.

1978 \_Archaeological Field Reconnaissance of the Cold Creek Valley\_. U.S. Army, Yakima Firing Center. Submitted to Unknown.

Kavanaugh, Robert E.

1978 \_Archaeological Field Reconnaissance of the Yakima Firing Center 1979 Road Rehabilitation Project\_. U.S. Army, Yakima Firing Center. Submitted to Unknown.

Sender, Malcolm K.

1980 \_Report of A Comprehensive Archaeological Reconnaissance of Portions of the Yakima Firing Center, Washington, Phase III\_. Wapora, Inc.. Submitted to U.S. Army, Yaking Firing Center, Yakima, Wa..

Smith, William C. and James C. Chatters

1986 \_Archaeological Predictive Modeling: the Yakima Firing Center\_. Central Washington Archaeological Survey, Central Wa. U.. Submitted to U.S. Army, Fort Lewis, WA.

Wilde, James D. and S. Wilke

1984 \_Archaeological Reconnaissance of the Multiple Purpose Range Complex (Mprc) Yakima Firing Center\_. Geo-Recon International, Ltd.. Submitted to Coe, Seattle District, Seattle, WA.